

INTERNATIONAL SEARCH REPORT

II
national Application No
PCT/US2004/018026

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B25B29/02 B23P11/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B25B F16B B23P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 0080, no. 50 (M-281), 7 March 1984 (1984-03-07) -& JP 58 203214 A (MITSUBISHI JUKOGYO KK), 26 November 1983 (1983-11-26)	1-13, 15-18
Y	abstract; figures 1,2,4	14
Y	FR 902 682 A (SKF SVENSKA KULLAGERFAB AB) 10 September 1945 (1945-09-10)	14
A	figures	12,13
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

27 October 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kühn, T

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/JP2004/018026

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BUDIG R ET AL: "FLUESSIGES HAELT FEST. FUNKTIONSSICHERHEIT VON DRUCKOELVERBAENDEN BESTIMMT DETAILS" MECHANISCHE VERBINDUNGSTECHNIK, VDI VERLAG. DUSSELDORF, DE, vol. 13, no. 4, 1989, page 21, XP000104366 ISSN: 0720-9886 the whole document	1-18
A	DE 44 43 238 A (HALBERSTADT MASCHBAU) 30 May 1996 (1996-05-30) the whole document	1,6,9,15
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12, 31 October 1998 (1998-10-31) -& JP 10 184651 A (DAIWA RASHI:KK), 14 July 1998 (1998-07-14) abstract; figures	1,6,9,15

INTERNATIONAL SEARCH REPORT

Int .onal Application No
PCT/US2004/018026

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 58203214	A	26-11-1983	NONE	
FR 902682	A	10-09-1945	NONE	
DE 4443238	A	30-05-1996	DE 4443238 A1	30-05-1996
JP 10184651	A	14-07-1998	JP 3172470 B2	04-06-2001